

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**UTILITY PATENT
APPLICATION TRANSMITTAL LETTER**

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No. **21839**

Sir:

Enclosed for filing is the utility patent application of John Ingalls Thackara for LIQUID CRYSTAL THERMO-OPTIC SWITCH AND ELEMENT.

Applicant(s) suggest(s) Figure 1 for inclusion on the front page of the patent application publication and patent.

Applicant(s) requests that the published application include the following assignment information: .

Also enclosed are:

8 sheet(s) of drawings;

a claim for foreign priority under 35 U.S.C. §§ 119 and/or 365 is hereby made to filed in on ;

in the declaration;

an Information Disclosure Statement;

a patent application data sheet; and

Other:

An executed unexecuted declaration of the inventor(s)

also is enclosed will follow.

Small entity status is hereby claimed.

The filing fee has been calculated as follows and in accordance with the enclosed preliminary amendment:

C L A I M S					
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEE
Basic Application Fee					\$770.00 (1001)
Total Claims	33	MINUS 20 =	13	× \$18.00 (1202) =	234.00
Independent Claims	4	MINUS 3 =	1	× \$86.00 (1201) =	86.00
If multiple dependent claims are presented, add \$290.00 (1203)					
Total Application Fee					1,090.00
If small entity status is claimed, subtract 50% of Total Application Fee					545.00
Add Assignment Recording Fee \$40.00 (8021) if Assignment document is enclosed					
TOTAL APPLICATION FEE DUE					545.00

This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.

A check in the amount of \$ 545.00 is enclosed for the fee due.

Charge \$ _____ to Deposit Account No. 02-4800 for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Please address all correspondence concerning the present application to:

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Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: November 24, 2003

By: 
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